



H. Prouty Glacier headwall on northeast face of South Sister. Radially dipping stacks of andesitic lava flows and intercalated oxidized scoria were excavated by Prouty Glacier, exposing cross-sectional view of last 33 ka of summit activity in 350 m of vertical relief. Dipping stacks are truncated at about 9,800 ft elevation, forming ragged rim of a broad paleocrater. Gray, stratified, dacitic phreatomagmatic deposit 150 m thick makes up upper slopes of edifice, capped only by thin ledge of mafic agglutinate on skyline. Beneath Hodge Crest (left shoulder of edifice) is another thick, gray phreatomagmatic deposit, this one cut by many dikes that altered host fallout, which erodes into colorful spires. Little Ice Age moraines in foreground are barren and unstable. *Photograph by John Scurlock, 2007.*